

How Trap Wing was positioned in the 14x22 ft Tunnel

2002/2003 setup (not drawn to scale)

Tunnel station $x'=0''$ (0 inches)

Tunnel station $x'=600''$

tunnel width=261''
at $x'=0''$

tunnel sidewalls open slightly
width=263.7526'' at $x'=600''$

South wall

$y=0''$ (CFD model coords)
aligns with $y'=-0.9''$ (tunnel coords)
due to peniche plate+gap (not measured
by balance)

tunnel floor centerline ($z'=0$)

turntable

Rotation Point at $z=0$ and
 $x=29.467''$ (CFD model coords)
aligns with $z'=0$ and $x'=213''$ (tunnel coords)

North wall

36''

14'' width
BL removal
system opening

z, z'
(positive y, y'
into page)

Measured BL thicknesses at $x'=94.44''$:
approx 1'' on floor, 5'' on other three walls

Tunnel floor at $y'=0''$
Tunnel ceiling (out of the page) is
constant at $y'=-174''$